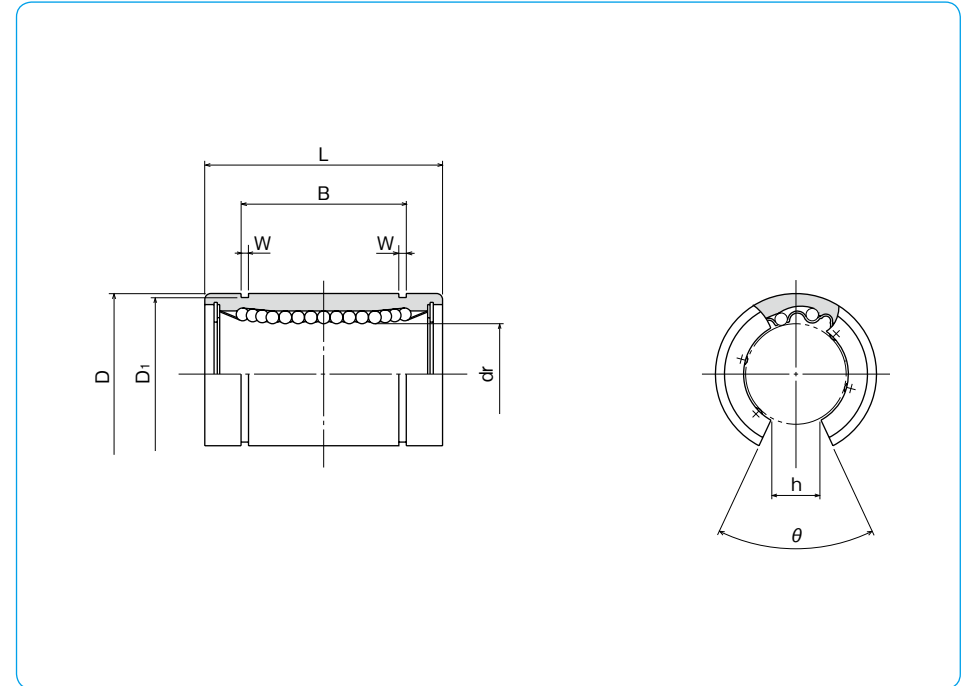
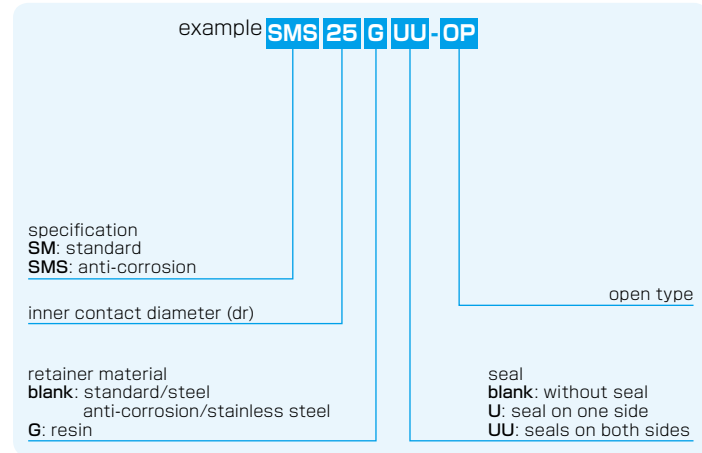


# SM-OP TYPE

– Open Type –



## part number structure



part number				number of ball circuits	mm	dr tolerance* μm	major dimensions	
standard steel retainer	resin retainer	anti-corrosion stainless retainer	resin retainer				mm	D tolerance* μm
–	<b>SM10G-OP</b>	–	<b>SMS10G-OP</b>	3	10		19	
<b>SM 12-OP</b>	<b>SM12G-OP</b>	<b>SMS12-OP</b>	<b>SMS12G-OP</b>	3	12	0	21	0
<b>SM 13-OP</b>	<b>SM13G-OP</b>	<b>SMS13-OP</b>	<b>SMS13G-OP</b>	3	13	– 9	23	– 13
<b>SM 16-OP</b>	<b>SM16G-OP</b>	<b>SMS16-OP</b>	<b>SMS16G-OP</b>	3	16		28	
<b>SM 20-OP</b>	<b>SM20G-OP</b>	<b>SMS20-OP</b>	<b>SMS20G-OP</b>	4	20	0	32	0
<b>SM 25-OP</b>	<b>SM25G-OP</b>	<b>SMS25-OP</b>	<b>SMS25G-OP</b>	5	25	– 10	40	– 16
<b>SM 30-OP</b>	<b>SM30G-OP</b>	<b>SMS30-OP</b>	<b>SMS30G-OP</b>	5	30		45	
<b>SM 35-OP</b>	<b>SM35G-OP</b>	<b>SMS35-OP</b>	<b>SMS35G-OP</b>	5	35	0	52	0
<b>SM 40-OP</b>	<b>SM40G-OP</b>	<b>SMS40-OP</b>	<b>SMS40G-OP</b>	5	40	– 12	60	– 19
<b>SM 50-OP</b>	<b>SM50G-OP</b>	<b>SMS50-OP</b>	<b>SMS50G-OP</b>	5	50		80	
<b>SM 60-OP</b>	<b>SM60G-OP</b>	<b>SMS60-OP</b>	<b>SMS60G-OP</b>	5	60	0	90	0
<b>SM 80-OP</b>	<b>SM80G-OP</b>	–	–	5	80	– 15	120	– 22
<b>SM100-OP</b>	–	–	–	5	100	0	150	0
<b>SM120-OP</b>	–	–	–	6	120	– 20	180	– 25
<b>SM150-OP</b>	–	–	–	6	150	0/– 25	210	0/– 29

\* Accuracy is measured prior to machining open slit.

mm	L tolerance mm	B tolerance mm		W mm	D1 mm	h mm	θ	eccentricity* μm	basic load rating		mass g	shaft diameter mm
		mm	mm						C N	Co N		
29	0 – 0.2	22	0 – 0.2	1.3	18	6.8	80°	12	372	549	23	10
30		23		1.3	20	8	80°		510	784	32	12
32		23		1.3	22	9	80°		510	784	37	13
37		26.5		1.6	27	11	80°		774	1,180	58	16
42		30.5		1.6	30.5	11	60°		882	1,370	79	20
59	0 – 0.3	41	0 – 0.3	1.85	38	12	50°	15	980	1,570	203	25
64		44.5		1.85	43	15	50°		1,570	2,740	228	30
70		49.5		2.1	49	17	50°		1,670	3,140	355	35
80		60.5		2.1	57	20	50°		2,160	4,020	546	40
100		74		2.6	76.5	25	50°		3,820	7,940	1,420	50
110	0 – 0.4	85	0 – 0.4	3.15	86.5	30	50°	25	4,700	10,000	1,650	60
140		105.5		4.15	116	40	50°		7,350	16,000	3,750	80
175		125.5		4.15	145	50	50°		14,100	34,800	7,200	100
200		158.6		4.15	175	85	80°		16,400	40,000	11,600	120
240		170.6		5.15	204	105	80°		21,100	54,300	15,700	150

1N≐0.102kgf